## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1887	(control\$4 with program\$4 with view\$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 08:02
L3	28	((comput\$e or calculat\$3 or measur\$3) with (count\$3 or histor\$3 or occurrence or frequenc\$3) with (weight\$3 or degree or rank\$3 or scor\$3) with tim\$3 with view\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:52
L4	1289	"1" and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 08:06
L5	0	3 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 08:06
L6	12	3 and @ad<"20020723"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 08:10
L7	2	("20030237093").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 08:10
L8	2	("20030237093").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:28
L9	. 1	2 and (manag\$6 with (occurrence or frequenc\$3) with count\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR .	OFF	2007/01/06 09:30

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L10	0	2 and (manag\$6 with (occurrence or frequenc\$3 or count\$3) with wweight\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:52
L11	11	(identif\$6 with (count\$3 or histor\$3 or occurrence or frequenc\$3) with (weight\$3 or degree or rank\$3 or scor\$3) with tim\$3 with view\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:53
L12	75	(identif\$6 with (weight\$3 or degree or rank\$3 or scor\$3) with tim\$3 with view\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:54
L13	73	"1" and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:53
L14	0	2 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:53
L15	0	(identif\$6 with (weight\$3 or degree or rank\$3 or scor\$3) with tim\$3 ) and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:55
L16	0	((identif\$6 or (production near number)) with (weight\$3 or degree or rank\$3 or scor\$3) with tim\$3 ) and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 09:56
S1	2	("20020059180").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/06 06:31

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# **EAST Search History**

S2	1	"625106".apn.	US-PGPUB;	OR	OFF	2007/01/06 08:01
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1 Industry track papers: Learning domain-independent string transformation weights for





high accuracy object identification Sheila Tejada, Craig A. Knoblock, Steven Minton

July 2002 Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining

Publisher: ACM Press

Full text available: pdf(1.12 MB)

Additional Information: full citation, abstract, references, citings, index

The task of object identification occurs when integrating information from multiple websites. The same data objects can exist in inconsistent text formats across sites, making it difficult to identify matching objects using exact text match. Previous methods of object identification have required manual construction of domain-specific string transformations or manual setting of general transformation parameter weights for recognizing format inconsistencies. This manual process can be time consum ...

2 Security, privacy and anonymity: Privacy preserving multi-factor authentication with



biometrics

Abhilasham Bhargav-Spantzel, Anna Squicciarini, Elisa Bertino

November 2006 Proceedings of the second ACM workshop on Digital identity management DIM '06

Publisher: ACM Press

Full text available: 🔂 pdf(228.45 KB) Additional Information: full citation, abstract, references, index terms

An emerging approach to the problem of reducing the identity theft is represented by the adoption of biometric authentication systems. Such systems however present however several challenges, related to privacy, reliability, security of the biometric data. Interoperability is also required among the devices used for the authentication. Moreover, very often biometric authentication in itself is not sufficient as a conclusive proof of identity and has to be complemented with multiple other proofs ...

Keywords: authentication, biometrics, identity theft prevention, privacy

3 Compact routing schemes with low stretch factor (extended abstract)



Tamar Eilam, Cyril Gavoille, David Peleg

June 1998 Proceedings of the seventeenth annual ACM symposium on Principles of

### distributed computing

Publisher: ACM Press

Full text available: pdf(1.40 MB) Additional Information: full citation, references, citings, index terms

Potpourri: Effective keyword search in relational databases

Fang Liu, Clement Yu, Weiyi Meng, Abdur Chowdhury

June 2006 Proceedings of the 2006 ACM SIGMOD international conference on Management of data SIGMOD '06

Publisher: ACM Press

Full text available: pdf(336.26 KB) Additional Information: full citation, abstract, references, index terms

With the amount of available text data in relational databases growing rapidly, the need for ordinary users to search such information is dramatically increasing. Even though the major RDBMSs have provided full-text search capabilities, they still require users to have knowledge of the database schemas and use a structured query language to search information. This search model is complicated for most ordinary users. Inspired by the big success of information retrieval (IR) style keyword search ...

**Keywords**: effectiveness, information retrieval (IR), keyword search, relational database, term weighting

<sup>5</sup> Courses: <u>Performance-driven facial animation</u>

Fred Pighin, J. P. Lewis, George Borshukov, Chris Bregler, Parag Havaldar, Thomas Kang, Jim Radford, Mark Sagar, Steve Sullivan, Tom Tolles, Li Zhang

July 2006 Material presented at the ACM SIGGRAPH 2006 conference SIGGRAPH '06

Publisher: ACM Press

Full text available: pdf(34.74 MB) Additional Information: full citation, abstract

Performance-driven facial animation (PDFA) has recently been adopted in a number of important entertainment projects. This course describes tracking, cross mapping, and model derivation technologies used in PDFA, and summarizes unresolved issues. Leading researchers and industry specialists present current and forthcoming motion-capture techniques, cross-mapping technologies, and application case studies from important recent and current projects.

An algorithm for pronominal anaphora resolution

Shalom Lappin, Herbert J. Leass

December 1994 Computational Linguistics, Volume 20 Issue 4

Publisher: MIT Press

Full text available: pdf(1.74 MB) Additional Information: full citation, abstract, references, citings

This paper presents an algorithm for identifying the noun phrase antecedents of third person pronouns and lexical anaphors (reflexives and reciprocals). The algorithm applies to the syntactic representations generated by McCord's Slot Grammar parser and relies on salience measures derived from syntactic structure and a simple dynamic model of attentional state. Like the parser, the algorithm is implemented in Prolog. The authors have tested it extensively on computer manual texts and conducted a ...

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 MB)

	on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun							
8	An experimental procedure for simulation response surface model identification Lee W. Schruben, V. James Cogliano August 1987 Communications of the ACM, Volume 30 Issue 8							
	Publisher: ACM Press  Full text available: pdf(1.58 MB)  Additional Information: full citation, abstract, references, citings, index							
	<u>terms</u> , <u>review</u>							
	An experimental method for identifying an appropriate model for a simulation response surface is presented. This technique can be used for globally identifying those factors in a simulation that have a significant influence on the output. The experiments are run in the frequency domain. A simulation model is run with input factors that oscillate at different frequencies during a run. The functional form of a response surface model for the simulation is indicated by the freq							
9	Term Weighting in Information Retrieval Using the Term Precision Model							
•	C. T. Yu, K. Lam, G. Salton January 1982 Journal of the ACM (JACM), Volume 29 Issue 1							
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10	Finding factors: learning to classify case opinions under abstract fact categories Stefanie Brüninghaus, Kevin D. Ashley							
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12	Document ranking on weight-partitioned signature files	$\Box$						
<b>③</b>	Dik Kun Lee, Liming Ren							
~	April 1996 ACM Transactions on Information Systems (TOIS), Volume 14 Issue 2  Publisher: ACM Press							
	Full text available: pdf(1.50 MB)  Additional Information: full citation, abstract, references, citings, index terms, review							

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Understanding distributed applications is a tedious and difficult task. Visualizations based

A signature file organization, called the weight-partitioned signature file, for supporting document ranking is proposed. It employs multiple signature files, each of which corresponds to one term frequency, to represent terms with different term frequencies. Words with the same term frequency in a document are grouped together and hashed into the signature file corresponding to that term frequency. This eliminates the need to record the term frequency explicitly for each word. We investiga ...

Keywords: access method, document retrieval, information retrieval, signature file, superimposed coding, text retrieval

	·	
13 <b>③</b>	Courses: Spatial augmented reality Oliver Bimber, Ramesh Raskar July 2006 Material presented at the ACM SIGGRAPH 2006 conference SIGGRAPH '06 Publisher: ACM Press Full text available: 定 pdf(22.57 MB) Additional Information: full citation, abstract	
	A survey of the latest techniques for augmented reality, which go beyond conventional head-mounted displays. The tutorial introduces prototypes, explains rendering and calibration algorithms, discusses case studies, and presents practical experience. Attendees learn about new applications enabled by current augmented-reality techniques that combine the real and virtual worlds in art, science, education, and industry.	
14	Unobtrusive user identification with light biometrics  Heikki Ailisto, Mikko Lindholm, Satu-Marja Mäkelä, Elena Vildjiounaite October 2004 Proceedings of the third Nordic conference on Human-computer interaction NordiCHI '04  Publisher: ACM Press  Full text available: pdf(100.29 KB) Additional Information: full citation, abstract, references, index terms  Biometric methods are used for recognition and verification of the identity of a person in many applications. Certain concerns over the obtrusive nature of their use, threats to privacy and even the danger of identity theft are rising. In this paper unobtrusive and privacy preserving light biometrics, such as height, weight, and body fat percentage are suggested for user identification. An experiment with 62 test subjects was conducted. In verification type of application total error rate of  Keywords: biometrics, body fat percentage, height, identification, identity theft, privacy, verification, weight	
15 <b>(</b>	KDD Cup 2003 reports: The myth of the double-blind review?: author identification using only citations Shawndra Hill, Foster Provost	Ē

December 2003 ACM SIGKDD Explorations Newsletter, Volume 5 Issue 2

Publisher: ACM Press

Full text available: 完 pdf(212.78 KB) Additional Information: full citation, abstract, references

Prior studies have questioned the degree of anonymity of the double-blind review process for scholarly research articles. For example, one study based on a survey of reviewers concluded that authors often could be identified by reviewers using a combination of the author's reference list and the referee's personal background knowledge. For the KDD Cup 2003 competition's "Open Task," we examined how well various automatic matching techniques could identify authors within the competition's very la ...

Keywords: KDD Cup competition, author identification, discriminative self-citations, relational learning, social network analysis, vector-space model

16	On-line weighted matching					
	Bala Kalyanasundaram, Kirk Pruhs March 1991 <b>Proceedings of the second annual ACM-SIAM symposium on Discrete</b>					
	algorithms					
	Publisher: Society for Industrial and Applied Mathematics Full text available: 完 pdf(805.14 KB) Additional Information: full citation, references, index terms					
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17	Building efficient and effective metasearch engines					
<b>(</b>	Weiyi Meng, Clement Yu, King-Lup Liu March 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 1					
	Publisher: ACM Press					
	Full text available: pdf(416.07 KB)  Additional Information: full citation, abstract, references, citings, index terms					
	Frequently a user's information needs are stored in the databases of multiple search engines. It is inconvenient and inefficient for an ordinary user to invoke multiple search engines and identify useful documents from the returned results. To support unified access to multiple search engines, a metasearch engine can be constructed. When a metasearch engine receives a query from a user, it invokes the underlying search engines to retrieve useful information for the user. Metasearch engines have					
	<b>Keywords</b> : Collection fusion, distributed collection, distributed information retrieval, information resource discovery, metasearch					
18 �	Courses: Exploiting perception in high-fidelity virtual environments  Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez  July 2006 Material presented at the ACM SIGGRAPH 2006 conference SIGGRAPH '06  Publisher: ACM Press  Full text available: pdf(5.25 MB) Additional Information: full citation, abstract					
	This course introduces high-fidelity virtual environments and explains the key components required to build compelling environments. Then it details perceptually inspired techniques that facilitate high-fidelity rendering, collaboration, and complex interaction in these virtual environments. Particular emphasis is placed on real applications, with several live demonstrations.					
19	Courses: An introduction to sketch-based interfaces					
•	Joseph LaViola, Randall Davis, Takeo Igarashi July 2006 Material presented at the ACM SIGGRAPH 2006 conference SIGGRAPH '06					
	Publisher: ACM Press Full text available:					
	Sketch-based interfaces are a natural, pencil-and-paper-like approach to interacting with					
	a variety of applications, including conceptual modeling, animation, and note-taking systems. This course offers an in-depth discussion of sketch-based interface design, ranging from simple gestural commands to complex sketch-understanding systems. Attendees will learn how these interfaces are designed and how to develop their own.					
20	Discovering user access pattern based on probabilistic latent factor model Guandong Xu, Yanchun Zhang, Jiangang Ma, Xiaofang Zhou					
	January 2005 Proceedings of the 16th Australasian database conference - Volume 39					

**ADC '05** 

Publisher: Australian Computer Society, Inc.

Full text available: pdf(307.10 KB)

Additional Information: full citation, abstract, references, citings, index terms

There has been an increased demand for characterizing user access patterns using web mining techniques since the informative knowledge extracted from web server log files can not only offer benefits for web site structure improvement but also for better understanding of user navigational behavior. In this paper, we present a web usage mining method, which utilize web user usage and page linkage information to capture user access pattern based on Probabilistic Latent Semantic Analysis (PLSA) mode ...

**Keywords**: probabilistic latent semantic model, user profile, web linkage information, web usage mining

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